



# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

GAIL FARBER, Director

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March 17, 2009

# ADOPTED

BOARD OF SUPERVISORS  
COUNTY OF LOS ANGELES

IN REPLY PLEASE  
REFER TO FILE: C-1

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, CA 90012

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MARCH 17, 2009

*Sachi A. Hamai*  
SACHI A. HAMAI  
EXECUTIVE OFFICER

Dear Supervisors:

**CHANGES IN WORK FOR PUBLIC WORKS CONTRACTS  
UNINCORPORATED COMMUNITY OF SUNLAND AND THE  
ANGELES NATIONAL FOREST  
(SUPERVISORIAL DISTRICT 5)  
(3 VOTES)**

**SUBJECT**

This action is to approve changes in work and the increased contract amounts for public works construction contracts in the unincorporated community of Sunland and the Angeles National Forest.

**IT IS RECOMMENDED THAT YOUR BOARD ACTING AS THE GOVERNING BODY  
OF THE LOS ANGELES COUNTY FLOOD CONTROL DISTRICT:**

Find that the requested changes in work have no significant effect on the environment and approve the increased contract amounts and the changes for the following construction contracts:

- Project ID No. FCC0001019 - Santa Anita Dam and Reservoir Access Road Repairs, to construct pavement, metal beam guardrail, a steel soldier pile retaining wall, and drainage structures, in the Angeles National Forest, to Calex Engineering Company, for removal and replacement of existing section of the access road and a damaged pipe and to locate voids under the slab, with an increase in the contract amount of \$32,900.00.

- Project ID No. WRDD000005 - Big Tujunga Dam Seismic Rehabilitation and Spillway Modification, to construct arch dam, spillway, abutment wall, control house, and generator buildings; perform excavation, grouting, and electrical instrumentation, and plumbing work; and install penstocks, a generator system, and butterfly and jet-flow valves, in the unincorporated community of Sunland, to Shimmick Construction Company, Inc., for variations in bid quantities, providing an automatic and audible alarm, using a revised grout mix, and removing debris, with an increase in the contract amount of \$851,571.52.

### **PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

The purpose of the recommended action is to obtain your Board's approval for changes in public works contracts in support of the timely completion of the projects while avoiding delays and the potential for claims. The descriptions of the changes, estimated costs, and the necessary time extensions are listed in the attachment for each contract.

The Director of Public Works has been authorized by your Board to order changes in work up to \$10,000 for construction contracts. Attached for your authorization are changes in work in excess of my delegated limits, which are required to complete Project ID Nos. FCC0001019 and WRDD000005.

### **Implementation of Strategic Plan Goals**

The Countywide Strategic Plan directs the provision of Service Excellence (Goal 1) and Community Services (Goal 6). Approval of these changes will provide improved infrastructure to better serve the public and enhance the quality of life in the affected communities.

### **FISCAL IMPACT/FINANCING**

These changes in work will have no impact to the County General Fund.

The estimated change order amounts for these contracts are increases of \$32,900.00 and \$851,571.52.

Sufficient funds are available in the Board-approved appropriations for each of the respective projects to cover the costs of the requested changes. Detailed cost breakdowns for each of the changes, together with contract cost summaries, are included in the attachments.

If these changes in work are not approved, contract completion will be delayed and increased costs will incur.

### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

Each of the subject contracts for the construction of public works improvements was awarded by your Board to the lowest responsible bidder in accordance with the California Public Contract Code, your Board's directives, and as recommended by the Director of Public Works or her designee.

### **ENVIRONMENTAL DOCUMENTATION**

The changes in work as described above and in the attachments do not change any conditions which resulted in the original environmental findings.

### **CONTRACTING PROCESS**

Each contract provides that the contractor be compensated for the work resulting from changes to the original plans and specifications or changed conditions encountered during the course of construction. The costs are based on contract unit prices, time and materials, or negotiated under the provisions of the contract specifications. The methods for arriving at the costs of the changes are included in the attachments.

### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

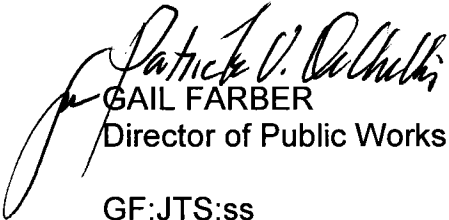
Approval of the requested changes by your Board will ensure the timely completion of work under each of the respective contracts and result in complete and usable facilities.

The Honorable Board of Supervisors  
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**CONCLUSION**

Please return one adopted copy of this letter to the Department of Public Works, Construction Division.

Respectfully submitted,

  
GAIL FARBER  
Director of Public Works

GF:JTS:ss

Attachments (2)

c: Chief Executive Office (Lari Sheehan)  
County Counsel  
Office of Affirmative Action Compliance

CHANGE IN WORK (AUTHORIZE)  
March 17, 2009

PROJECT ID NO. FCC0001019 - SANTA ANITA DAM AND RESERVOIR ACCESS  
ROAD REPAIRS (in the Angeles National Forest), Supervisorial District 5,  
Contractor: Calnex Engineering Company

Project Description:

Construction of PCC pavement, AC pavement, metal beam guardrail, a steel soldier pile retaining wall, drainage structures; and other appurtenant work.

Changes in Work:

(1)	Remove and Replace an Existing Section of the Access Road	\$18,500.00
(2)	Remove and Replace a Portion of Existing Damaged Pipe and Place New Shortcrete	6,000.00
(3)	Locate Additional Voids Under the Slab	2,400.00
(4)	Remove and Replace Deteriorated Pavement	<u>6,000.00</u>
	Total	<u>\$32,900.00</u>

Description of Changes:

- (1) Due to existing field conditions, it will be necessary to remove and replace an existing section of the access road and perform other appurtenant work. This work is not shown on the plans.
- (2) To meet the intent of the design, it will be necessary to remove and replace a portion of damaged pipe and place shortcrete.
- (3) To locate voids under the slab, it will be necessary for the contractor to cut four additional holes.
- (4) To protect the newly placed fill from erosion and saturation or settlement, it will be necessary to remove and replace the deteriorated paving area next to the retaining wall.

The costs for Items 1, 2, 3, and a portion of the cost for Item 4 will be based on time and materials as provided in Subsection 3-3 of the contract specifications. The balance of the cost for Item 4 will be based on contract unit prices.

Nine additional working days will be required because of these changes.

Financial Information:

Funding for these changes in work is included in the Flood Control District Budget for Fiscal Year 2008-09.

Revised Contract Amount:

Original contract amount	\$251,563.00
Changes in work to be authorized	<u>32,900.00</u>
Revised contract amount	<u><u>\$284,463.00</u></u>
Percent total change to original contract amount	13.1%

EK:en

CHANGE IN WORK (AUTHORIZE)  
March 17, 2009

PROJECT ID NO. WRDD000005 - BIG TUJUNGA DAM SEISMIC REHABILITATION AND SPILLWAY MODIFICATION (in the unincorporated community of Sunland), Supervisorial District 5, Contractor: Shimmick Construction Company, Inc.

Project Description:

Construction of thick arch dam, spillway, abutment wall, control house and generator buildings; perform common excavation, rock excavation, consolidation grouting, electrical and instrumentation work, plumbing work; install penstocks, butterfly and jet-flow valves, a generator system, and other appurtenant work.

Changes in Work:

(1) Variations in Bid Quantities	\$617,900.00
(2) Provide Uplift Monitoring with Audible Alarm	180,000.00
(3) Interim Grouting Operations	50,000.00
(4) Debris Removal at Base of Dam	<u>3,671.52</u>
Total	<u>\$851,571.52</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) Your Board previously approved a change in work for monitoring the uplift of the foundation during grouting operations with equipment having an automatic, audible alarm. The cost of this work will exceed the estimate by the amount shown.

(3) It will be necessary to use a revised grout mix in lieu of the specified mix for consolidation of the proposed dam foundation. The California Department of Water Resources, Division of Safety of Dams (DSOD), has directed use of the specified mix be discontinued. The DSOD will allow use of the revised mix within a limited area of the foundation pending their review and approval of the mix.

(4) Your Board previously approved a change in work to remove a variety of debris from past construction that was encountered during excavation of the dam foundation. The cost of this work will exceed the previous estimates by the amount shown.

A portion of the costs for Item 1 will be based on contract unit prices. The remainder of the costs for Item 1 were negotiated as provided in Subsection 3-2 of the contract specifications. The costs for Items 2, 3, and 4 will be based on time and materials as provided in Subsection 3-3 of the contract specifications.

Twenty additional working days will be required because of these changes.

Financial Information:

Funding for these changes in work is included in the Flood Control District Budget for Fiscal Year 2008-09.

Revised Contract Amount:

Original contract amount	\$88,533,680.00
Changes in work previously approved by your Board	2,287,905.38
Changes in work to be authorized	<u>851,571.52</u>
Revised Contract Amount	<u>\$91,673,156.90</u>
Percent total change to original contract amount	3.5%

HH:en